

Digital TV Quality Assurance

StreamScope™ MT-40

StreamScope™

MPEG Video Monitoring and Troubleshooting

Today's service providers face complex issues. A decrease of advertising funds, new government required signal elements, the need to effectively use all available bandwidth, and the fact that video consumers expect the highest-quality in high definition video, are just a few of the many challenges facing the DTV industry. Opportunities for MPEG signal errors to occur are numerous. Now, more than ever, providers are finding it imperative to have a quality control system in place.

StreamScope MT-40

Triveni Digital's MT-40 is an indispensable tool for locating and rectifying digital video and audio problems stemming from delayed table intervals, packet loss, sync/timing issues and buffer over or under flow conditions. The MT-40 adheres to ATSC, MPEG, SCTE and DVB-SI standards for digital video, kept up-to-date with software revisions. Incoming video/audio transport streams are then compared to the user selected standard. Parameters not meeting the selected standard are flagged with red if an error condition is current or yellow if the error had occurred but is no longer current. Green lights and lines indicate that parameters of the digital stream under test, meet the selected standard.

FEATURES AND FUNCTIONS OF THE MT-40:

Summary View: displays prioritized alarming and video thumbnails to verify presence of video and audio.

Monitor View: guides engineers to problem areas using a color coded 'tree-and-branch' graphical display, along with 'drill down' capability to analyze PID usage, closed caption text, PCR characteristics, buffer statistics, PAT/PMT intervals and deep detail on PSIP tables in the stream.

Cross-Table Analysis View: Compares PAT, VCT and PSIP tables for any discrepancies or duplications of key components such as TSID or PIDs. CTA also displays detailed PSIP tables and a populated EPG, if PSIP is present in the stream.

Group Of Pictures (GOP) Analysis View: Frame-by-Frame analysis of the video data stream, with graphical display of 'I', 'B' and 'P' frame structure and position information.



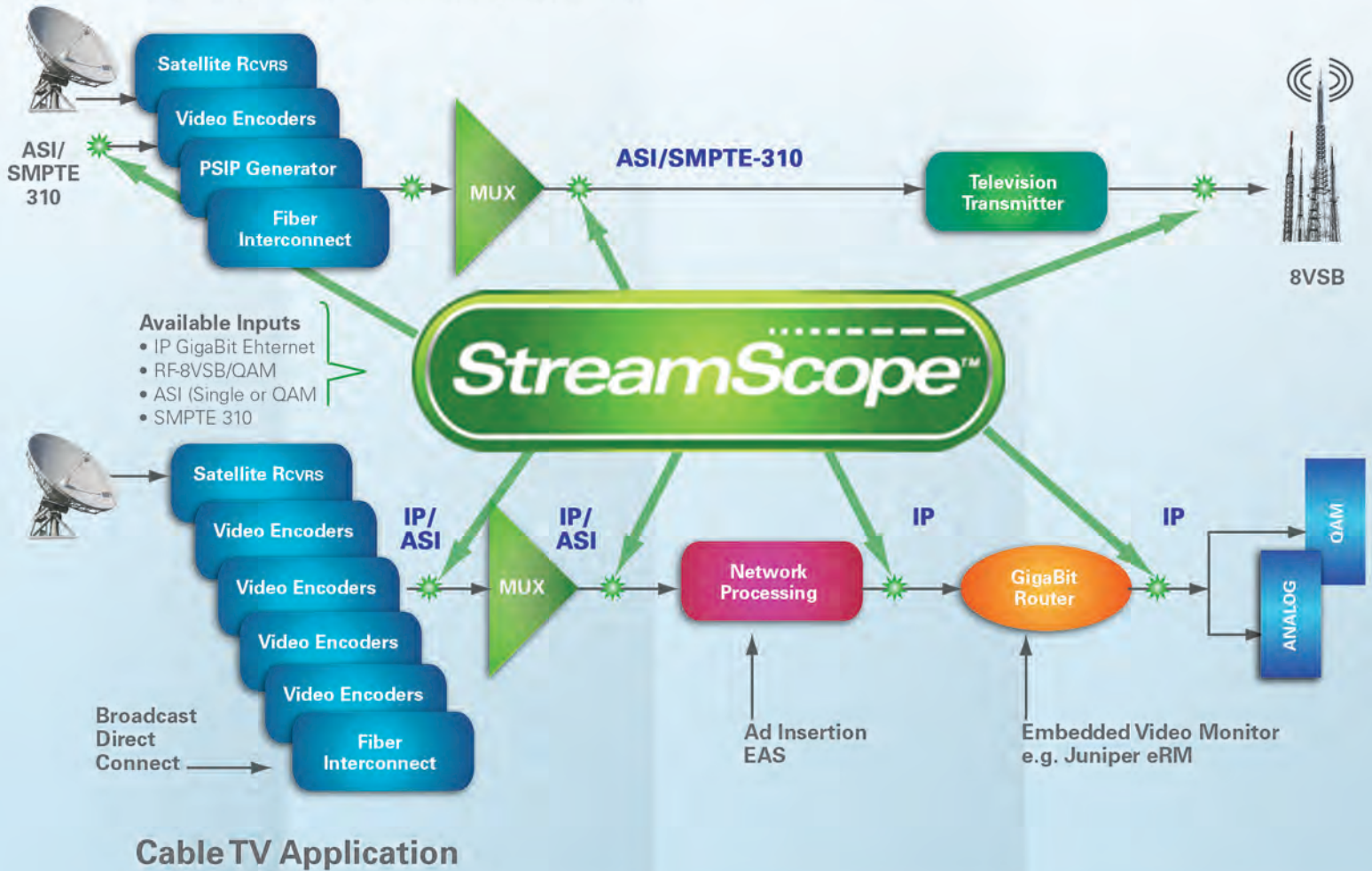
- Deep transport stream Analysis
- User Friendly UI
- Video Thumbnails
- Full Video Rendering
- CrossTable Analysis
- Prioritized Alarming
- Web Analysis
- AFD & Dial Norm
- Closed Caption Analysis
- PCR Analysis
- Buffer Analysis
- PSIP Table Analysis
- EPG Display
- RM-40 Interface



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TV Broadcast Station Application



rackmount model

Microsoft Windows Based OS
Core2Duo processing power
Dimensions: 7" (H) x 19" (W) x 21" (D)
Rack rail kit for standard 19" rack
Weight approx: 35lbs.



portable model

Microsoft Windows Based OS
Core2Duo processing power
17" display with anti-glare tempered glass
Dimensions: 17.5" (H) x 17.5" (W) x 14" (D)
Weight approx: 26lbs.



portable LCP model

Microsoft Windows Based OS
Core2Duo processing power
15" display with anti-glare tempered glass
Optional hot swap battery packs
Dimensions: 16" (H) x 11.5" (W) x 6.5" (D)
Weight approx: 18lbs.

order information

STSC-MT-40RStreamScope MT-40 Rackmount
STSC-MT-40PStreamScope MT-40 Portable
STSC-MT-40CRStreamScope MT-40 Cable Rackmount
STSC-MT-40CPStreamScope MT-40 Cable Portable
STSC-MT-40LCPStreamScope MT-40 Low Cost Portable
STSC-MT-40LCP-B.....MT40 Low Cost Portable with Battery

input module options

STSC-MT-RFRF (8VSB/QAM) Input Module
STSC-OPT-GBEP.....GigaBitIP Input Module (N/A on LCP)
STSC-OPT-ASIASI Single Input Module
STSC-OPT-QASIASI Quad Input Module
STSC-OPT-310.....SMPTE 310 Input Module
STSC-OPT-8PSKQPSK External Input Module
ESSP-STSC.....Enhanced System Support Plan

Provided by: Mega Hertz 800-883-8839

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Bringing Next Generation Video to Life!™

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